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Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals

Sub-Committee of Experts on the Transport of Dangerous Goods

Forty-fifth session
Geneva, 23 June – 02 July 2014
Item 2 (c) of the provisional agenda
Explosives and related matters: miscellaneous

Classification of articles under UN No. 0349

Transmitted by the expert from Italy[1]

Introduction

1. Paragraph 2.1.2.1.1 of the Model Regulations on the Transport of Dangerous Goods states that the 1.4S classification code can be assigned in case of:

> " ..... *Substances or items packed in such a way as to confine any dangerous explosive effect, caused by an accidental operation, within the package itself, therefore those items or materials can be assigned the 1.4S classification code.*

2. The national Competent Authority in Italy has received requests in order to assign UN number 0349 ARTICLES, EXPLOSIVE, N.O.S with the 1.4S classification code, to items originally classified as UN 0279 CHARGES PROPELLING FOR CANNON, 1.1C but enclosed in an adequate packaging, designed and built in order to pass the test procedure as requested by the Test series 6 (Manual of Tests and Criteria, ST/SG/AC.10/11/Rev.5).

3. Such procedure, even if conducted under the control and the authorization of the Competent Authority, as required by the special provision 178 of Chapter 3.3 applicable to UN 0349, and in compliance with the classification procedure, as required by special provision 347, raises feasibility doubts; for instance it would entail, as a direct and

[1] In accordance with the programme of work of the Sub-Committee for 2013-2014 approved by the Committee at its sixth session (refer to ST/SG/AC.10/C.3/84, para. 86 and ST/SG/AC.10/40, para. 14).

immediate consequence, the non-applicability of the security provisions, as UN 0349 is not included in the list of goods subject to the requirements of Chapter 1.4.

4. For some articles or substances listed in Dangerous Goods List (Chapter 3.2), with a specific name and classification, there is already a procedure for the 1.4S classification code assignment, provided that the article or substance is contained in an adequate packaging. For instance, an article assigned to UN 0030 MINE ELECTRIC DETONATOR 1.1B, which meets the SP 347 requirement, can be re-assigned to UN 0456 MINE ELECTRIC DETONATOR 1.4S, because in that specific packaging the original detonator does not cause any dangerous explosive effects. Given that the article itself still holds an intrinsic hazard due to possible misuse, the same number is included in the list of high consequence dangerous goods, section 1.4.3 (Security) "*Provisions for high consequence dangerous goods*".

5. In order to extend such procedure, two new UN numbers, respectively for articles or substances, to be used under the control of the Competent Authority, could be included in the Dangerous Goods List (Chapter 3.2).

6. For this purpose, the expert from Italy is proposing the topic for discussion by the Sub-Committee, in order to verify the feasibility of the above mentioned procedure and to this end suggests the amendments as proposed below.

Proposal

7. Add to the list of dangerous goods (Chapter 3.2 Chart) two new numbers named as follows:

UN 0XXX ESPLOSIVES SUBSTANCES N.O.S.	1.4S	SP 178, SP 274, SP 347
UN 0XXY ESPLOSIVES ARTICLES N.O.S.	1.4S	SP 178, SP 274, SP 347

8. Add the two new UN numbers in Table 1.4.1 (Indicative list of high consequence dangerous goods)

Justification

9. Simplification of procedure for the classification and assignment of the UN number.